

Application No. 10/607,055
Attorney Docket No. 32860-000555/US

AMENDMENTS TO THE CLAIMS

Listing of claims:

1. (Currently Amended) An electrical power breaker including a switching contact arrangement, the switching contact arrangement comprising:

a current conductor, carrying a stationary contact member; and

a contact lever, carrying a moveable contact member, said contact lever being arranged on a contact carrier which is pivotable about a pivot bearing to close and open the switching contact arrangement;

_____ wherein a section of the current conductor and confronts a section of the contact lever lie opposite one another when the switching contact arrangement is closed so as to form a current loop which generates a torque acting on the contact lever; and

_____ wherein the sections of the current conductor and the contact lever forming the current loop are designed to be arched and concentric with respect to one another with a radius which approximately corresponds to a distance between the respective sections from and a pivot bearing of the contact lever.
2. (Currently Amended) The power breaker as claimed in claim 1, wherein ~~an arrangement of the concentric sections~~ are shaped to have a curvature center and located on a side of the pivot bearing of the contact lever are, such that the torque causes the contact members to separate.
3. (Currently Amended) The power breaker as claimed in claim 1, wherein ~~an arrangement of the concentric sections~~ are shaped to have a curvature center and located on a side of the pivot

Application No. 10/607,055
Attorney Docket No. 32860-000555/US

bearing of the contact lever ~~are~~, such that the torque ~~acts on the contact lever~~, causings the contact members to close.

4. (Original) The power breaker as claimed in claim 1, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

5. (Original) The power breaker as claimed in claim 2, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

6. (Original) The power breaker as claimed in claim 3, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, to thereby produce a torque causing the contact members to at least one of close and open.

7. (Original) The power breaker as claimed in claim 1, further comprising a drive apparatus, adapted to drive the contact carrier.

Application No. 10/607,055
Attorney Docket No. 32860-000555/US

8. (Original) An electrical power breaker including a switching contact arrangement, the switching contact arrangement comprising:

a current conductor, including a stationary contact member; and

a contact lever, including a moveable contact member, said contact lever being arranged on a contact carrier which is pivotable about a pivot bearing to close and open the switching contact arrangement;

_____ wherein sections of the current conductor and the contact lever are arched and concentric with respect to one another with a radius which approximately corresponds to a distance ~~from~~ between the respective sections and a pivot bearing of the contact lever.

9. (Currently Amended) The power breaker as claimed in claim 8, wherein ~~an arrangement of the concentric sections are shaped to have a curvature center and located on a side of the pivot bearing of the contact lever are,~~ such that the torque causes the contact members to separate.

10. (Currently Amended) The power breaker as claimed in claim 8, wherein ~~an arrangement of the concentric sections are shaped to have a curvature center and located on a side of the pivot bearing of the contact lever are,~~ such that the torque ~~acts on the contact lever,~~ causing ing the contact members to close.

11. (Original) The power breaker as claimed in claim 8, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and

Application No. 10/607,055
Attorney Docket No. 32860-000555/US

wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

12. (Original) The power breaker as claimed in claim 9, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and

wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, and thereby produce a torque causing the contact members to at least one of close and open.

13. (Original) The power breaker as claimed in claim 10, wherein receptacles for bearing elements are arranged on at least one of the contact carrier and the contact lever, and

wherein the receptacles cause the pivot bearing of the contact lever to have two different positions in relation to a resultant force originating from the arched sections, to thereby produce a torque causing the contact members to at least one of close and open.

14. (Original) The power breaker as claimed in claim 8, further comprising a drive apparatus, adapted to drive the contact carrier.

15. (New) A switching contact arrangement for an electrical power breaker, the switching contact arrangement comprising:

a support;

a contact carrier mounted for pivot action on the support;

Application No. 10/607,055
Attorney Docket No. 32860-000555/US

a contact lever mounted for pivot action on the contact carrier, the contact lever supporting a moveable contact member; and

a current conductor including a stationary contact member;

wherein a section of the current conductor and a section of the contact lever are arched and parallel to one another when the moveable contact member contacts the stationary contact member.